PROCEDURE FOR SETTING UP A CALL IN A WIRELESS LOCAL LOOP

BACKGROUND OF THE INVENTION

The present invention relates to a procedure for accelerating call setup in a wireless local loop.

In a wireless local loop (WLL, Wireless Local Loop or RLL, Radio in Local Loop), a terminal unit is connected via a wireless link to an access node (AN). The access node may consist of multiplexers, crossbar switches and various transmitting systems. The WLL system may be based, e.g., on technology used in mobile telephone systems, such as the GSM/DCS1800 technology (GSM, Global System for Mobile Communications; DCS, Digital Cellular System). GSM is a European digital mobile communication system standardised by ETSI. DCS-1800 is a mobile communication system standardised by ETSI, which is based on the GSM specification and aims at a more effective use of microcells and which works in the frequency range of 1800 MHz. Between the terminal unit and the access node there is a base transceiver station, through which call signals received from the terminal unit over a radio channel are transmitted via the access node to a public telephone network and vice versa. The access node can be connected to the telephone exchange using, e.g., a V5.2 protocol consistent with the ETS 300 347-1 standard or a V5.1 protocol consistent with the ETS 300 324-1 standard. The access node functions as a converter between GSM signalling and V5 signalling.

During call setup in a local loop, various checking functions related to network security management are carried out. The checking functions are

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